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(71) Applicants and

(72) Inventors: **ROBBINS, Joan M.** [US/US]; 10265 Pinetree Dr, San Diego, CA 92131 (US). **CANTWELL, Mark J.** [US/US]; 11525 Caminito La Bar, #50, San Diego, CA 92126 (US).

(74) Agents: **PRESTON, David** et al.; David R Preston & Associates, 12625 High Bluff Drive, Suite 205, San Diego, CA 92130 (US).

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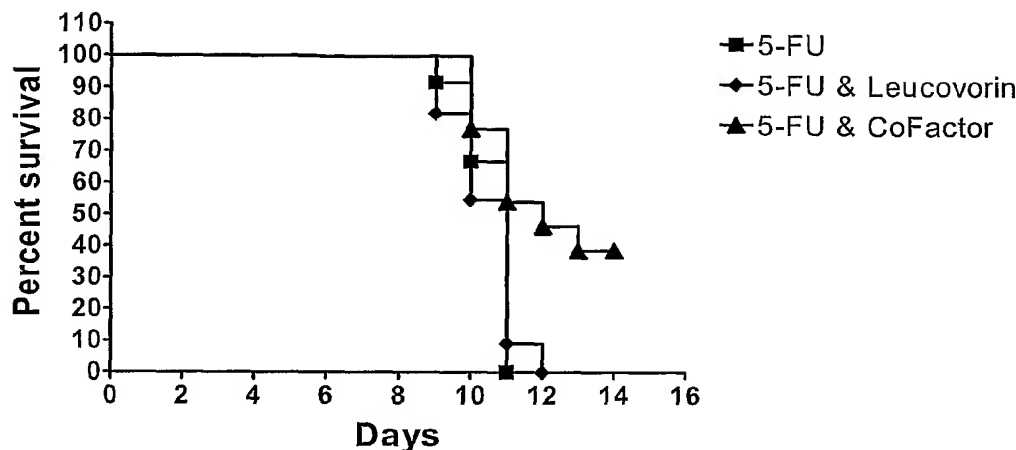
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(54) Title: USE OF 5,10-METHYLENE TETRAHYDROFOLATE FOR THE TREATMENT OF CANCER



(57) Abstract: The present invention provides novel uses and compositions for 5,10-methylene tetrahydrofolate ("5,10-CH<sub>2</sub>-THFA") in the treatment of cancer. The present invention is based on the surprising result that 5,10-CH<sub>2</sub>-THFA, while increasing the efficacy of 5-fluoruracil (5-FU) in reducing the rate of tumor growth and increasing survivorship, also reduces the toxicity to the patient of 5-FU. The present invention provides methods and compositions for treating cancer patients that include 5-FU, 5,10-CH<sub>2</sub>-THFA, and one or more additional anticancer drugs. Such methods and compositions can provide increased efficacy and reduced toxicity when compared with current treatment modalities.

WO 2005/097086 A2